## WHAT IS CLAIMED IS:

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1 Apparatus for remote inspection of a pressurized pipeline fluid, said apparatus comprising:

- a detector in communication with the pipeline fluid for measure of a predetermined internal condition of the pipeline; and
- an electronic circuit in communication between the detector and a remote central station for issue of a wireless signal to the remote central station, the wireless signal including information about the predetermined internal condition.
- The apparatus of claim 1 wherein the electronic circuit is adapted to issue a wireless signal upon detection of the predetermined internal condition.
- 1 3. The apparatus of claim 1 wherein the electronic circuit is adapted to issue a wireless signal upon receipt of a signal from the remote central station.
- 1 4. The apparatus of claim 1 wherein the predetermined internal condition comprises an out of range pressure condition of the pipeline fluid.
- The apparatus of claim 4 wherein the detector comprises a fluid pressure gauge in communication with the pipeline fluid for measure and display of a pressure condition of the pipeline fluid.
- 1 6. The apparatus of claim 1 wherein the detector comprises a flow meter in 2 communication with the pipeline fluid for measure the rate of flow of the pipeline fluid and 3 the predetermined internal condition comprises the rate of flow of the pipeline fluid.
- 7. The apparatus of claim 6 wherein the electronic circuit is configured to issue a wireless signal upon detection of a rate of flow below a predetermined level.
- 1 8. The apparatus of claim 1 further comprising a filter unit for filtering the pipeline 2 fluid, wherein the detector is mounted to the filter unit.

- 1 9. The apparatus of claim 1 further comprising a docking station, wherein the detector is
- 2 electrically connected to the docking station.
- 1 10. The apparatus of claim 1 wherein the electronic circuitry comprises electronic
- 2 transmission and reception circuitry for two way communication with the remote central
- 3 station.
- 1 11. The apparatus of claim 1 further comprising:
- a second detector for detection of a second predetermined condition.
- 1 12. The apparatus of claim 11 wherein the second detector is in communication with the
- 2 pipeline fluid and is adapted to measure an internal condition of the pipeline fluid and the
- second predetermined condition comprises a second predetermined internal condition of the
- 4 pipeline, and wherein the electronic circuitry is adapted to issue a wireless signal to the
- 5 remote control station that includes information about the second predetermined internal
- 6 condition...
- 1 13. The apparatus of claim 12 wherein the second predetermined condition is the rate of
- 2 flow of fluid through the pipeline and the second detector comprises a flow meter.
- 1 14. The apparatus of claim 11 wherein the second predetermined condition is a
- 2 predetermined external condition. -
- 1 15. The apparatus of claim 14 wherein the predetermined external condition comprises
- 2 presence of an obstruction to viewing of or access to the detector.
- 1 16. The apparatus of claim 14 wherein the predetermined external condition comprises
- 2 lack of presence of the first detector in its installed position.
  - 17. Apparatus for remote inspection of a pressurized medical fluid container comprising:
- a detector in communication with the pressurized fluid for measure of a
- 2 predetermined internal condition of the container; and

- an electronic circuit in communication between the detector and a remote central
- station for issue of a wireless signal to the remote central station, the wireless signal
- 5 including information about the predetermined internal condition.
- 1 18. The apparatus of claim 17 wherein the electronic circuit is adapted to issue a wireless
- 2 signal upon detection of the predetermined internal condition.
- 1 19. The apparatus of claim 17 wherein the predetermined internal condition comprises an
- 2 out of range pressure condition of the fluid.
- 1 20. The apparatus of claim 17 wherein the electronic circuit is configures to issue a signal
- 2 upon detection that the pressure of the fluid is at or below a predetermined level.
- 1 21. The apparatus of claim 19 wherein the detector comprises a fluid pressure gauge in
- 2 communication with the container fluid for measure and display of a pressure condition of
- 3 the fluid.
- 1 22. The apparatus of claim 17 further comprising a docking station, wherein the detector
- 2 is electrically connected to the docking station and the electronic circuit is at least partially
- 3 contained within the docking station.
- 1 23. The apparatus of claim 17 further comprising:
- a second detector for detection of a predetermined external condition.
- 1 24. The apparatus of claim 23 wherein the second detector comprises an electronic tether
- 2 in electrical communication with the electronic circuit.
- 1 25. The apparatus of claim 24 wherein the medical fluid container is located in an
- 2 installed position and the predetermined external condition comprises the lack of presence of
- 3 the medical fluid container in its installed position.
- 1 26. The apparatus of claim 25 wherein the electronic circuit is adapted to issue a signal
- 2 upon detection of the lack of presence of the medical fluid container in its installed position.

- 1 27. The apparatus of claim 23 wherein the second detector comprises a sonic sensor for
- detecting presence of an obstruction to or viewing of the medical fluid container.
- 1 28. The apparatus of claim 23 further comprising:
- a third detector for detection of a second predetermined external condition.
- 1 29. The apparatus of claim 28 wherein the second detector comprises an electronic tether
- 2 for detecting the lack of presence of the medical fluid container in an installed position and
- the third detector comprises a sonic sensor for detecting presence of an obstruction to or
- 4 viewing of the medical fluid container.
  - 30. Apparatus for remote inspection of a container adapted to hold pressurized commercial or industrial gas, the apparatus comprising:
  - a detector in communication with the pressurized fluid for measure of a
- 2 predetermined internal condition of the container; and
- an electronic circuit in communication between the detector and a remote central
- station for issue of a wireless signal to the remote central station, the wireless signal
- 5 including information about the predetermined internal condition.
- 1 31. The apparatus of claim 30 wherein the electronic circuit is adapted to issue a wireless
- 2 signal upon detection of the predetermined internal condition.
- 1 32. The apparatus of claim 30 wherein the predetermined internal condition comprises an
- 2 out of range pressure condition of the fluid.
- 1 33. The apparatus of claim 30 wherein the electronic circuit is configures to issue a signal
- 2 upon detection that the pressure of the fluid is at or below a predetermined level.
- 1 34. The apparatus of claim 32 wherein the detector comprises a fluid pressure gauge in
- 2 communication with the container fluid for measure and display of a pressure condition of
- 3 the fluid.

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1 35. The apparatus of claim 30 further comprising a docking station, wherein the detector

- 2 is electrically connected to the docking station and the electronic circuit is at least partially
- 3 contained within the docking station.
- 1 36. The apparatus of claim 30 further comprising:
- a second detector for detection of a predetermined external condition.
- 1 37. The apparatus of claim 36 wherein the second detector comprises an electronic tether
- 2 in electrical communication with the electronic circuit.
- 1 38. The apparatus of claim 37 wherein the container is located in an installed position and
- the predetermined external condition comprises the lack of presence of the container in its
- 3 installed position.
- 1 39. The apparatus of claim 38 wherein the electronic circuit is adapted to issue a signal
- 2 upon detection of the lack of presence of the container in its installed position.
- 1 40. The apparatus of claim 36 wherein the second detector comprises a sonic sensor for
- detecting presence of an obstruction to or viewing of the medical fluid container.
- 1 41. The apparatus of claim 36 further comprising:
- a third detector for detection of a second predetermined external condition.
- 1 42. The apparatus of claim 41 wherein the second detector comprises an electronic tether
- 2 for detecting the lack of presence of the medical fluid container in an installed position and
- 3 the third detector comprises a sonic sensor for detecting presence of an obstruction to or
- 4 viewing of the medical fluid container.